PATENT COOPERATION TREATY

PCT

WIPO 13 AUG 2001

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference NEB-166-PCT	FOR FURTHER ACTION		on of Transmittal of International xamination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/mor	uh/year)	Priority date (day/month/year)		
PCT/US00/26900	29 September 2000 (29.09.2000)		30 September 1999 (30.09.1999)		
International Patent Classification (IPC)					
IPC(7): C12Q 1/68, 1/48; C12P 19/34;	C12N 15/01 and US Cl.: 435/6, 1	5, 91.1, 183, 19	3, 194		
Applicant					
NEW ENGLAND BIOLABS, INC.					
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of	a total ofsheets, including	this cover shee	et.		
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of Sheets.					
3. This report contains indic	ations relating to the following	items:			
I Basis of the rep	ort				
II Priority					
	-	elty, inventive	step and industrial applicability		
IV Lack of unity o					
	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain docume	VI Certain documents cited		,		
VII Certain defects	VII Certain defects in the international application				
VIII Certain observa	ations on the international applic	cation			
Date of submission of the demand	Date	of completion	of this report		
12 April 2001 (12.04.2001)	1034	ly 2001 (10.07.:	2001)		
Name and mailing address of the IPEA/		red office 2	wars for		
Commissioner of Patents and Tradema Box PCT		nathapy Achutan	murthy ()		
Washington, D.C. 20231 Facsimile No. (703) 305-3230 Telephone No. (703) 308-0196					
Form PCT/IPEA/409 (cover sheet)(July 1998)					



International application No.	
PCT/US00/26900	

ī.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
	\boxtimes	the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-46 as originally filed			
		pages NONE, filed with the demand pages NONE, filed with the letter of			
	\square				
		the claims: pages 47-50 , as originally filed			
		pages NONE , as amended (together with any statement) under Article 19			
		pages NONE filed with the demand			
		pages NONE , filed with the letter of			
	\boxtimes	the drawings:			
		pages 1-13 , as originally filed pages NONE , filed with the demand			
		pages NONE , filed with the letter of			
	\square	the sequence listing part of the description:			
		pages 1-9 , as originally filed			
		pages NONE, filed with the demand			
		pages NONE, filed with the letter of			
2.	With	h regard to the language, all the elements marked above were available or furnished to this Authority in the uage in which the international application was filed, unless otherwise indicated under this item.			
	Thes	se elements were available or furnished to this Authority in the following language which is:			
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).			
	H	the language of publication of the international application (under Rule 48.3(b)).			
	Ħ	the language of the translation furnished for the purposes of international preliminary examination (under Rules			
	ш	55.2 and/or 55.3).			
3.	With	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the			
	inter	mational preliminary examination was carried out on the basis of the sequence listing:			
	\mathbb{Z}	contained in the international application in printed form.			
	M	filed together with the international application in computer readable form.			
	닏	furnished subsequently to this Authority in written form.			
	\sqsubseteq	furnished subsequently to this Authority in computer readable form.			
	Ш	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the			
		international application as filed has been furnished.			
		The statement that the information recorded in computer readable form is identical to the written sequence listing			
		has been furnished.			
4.	Ш	The amendments have resulted in the cancellation of:			
		the description, pages NONE			
		the claims, Nos. NONE			
		the drawings, sheets/fig NONE			
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
*	Repla	acement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in			
thi	this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
	Any reputeriest sties containing such and manages made of reputer to a state that I am a state to the reputer to				



International	application	No

PCT/US00/26900

	question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or					
to be industrially applicable have not been and will not be examined in respect of:						
	the entire international application,					
\boxtimes	claims Nos. <u>8-18 and 27-31</u>					
becau	ecause:					
	the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):					
	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):					
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.					
\boxtimes	no international search report has been established for said claims Nos. 8-18 and 27-31					
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:						
	the written form has not been furnished or does not comply with the standard.					
	the computer readable form has not been furnished or does not comply with the standard.					

Form PCT/IPEA/409 (Box III) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/26900

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. STATEMENT		1			
Novelty (N)	Claims 1-7 and 19-26 Claims NONE	YES NO			
Inventive Step (IS)	Claims 1-7 and 19-26 Claims NONE	YES NO			
Industrial Applicability (IA)	Claims 1-7 and 19-26 Claims NONE	YES NO			
method for site specific incorporation of derivatized polymerase, a primed DNA template and nucleotide	le 70.7) T Article 33(2)-(4), because the prior art does not teach or fairly a dideoxynucleotides into DNA comprising reacting an archaeon Fasolution containing at least one derivatized dideoxynucleotide whe efficiently than the corresponding underivatized dideoxynucleotide	amily B DNA erein the			
NONE					
		· 🌣 ·			
	•				
	÷ →				
	·· - · ·				
	<u>.</u> €				

Form PCT/IPEA/409 (Box V) (July 1998)